

IN THE CLAIMS

This listing of claims replaces all prior listings and versions of the claims in the present application.

Listing of Claims:

Claim 1 (Currently Amended): An imaging apparatus comprising:

an imaging device to photograph an image of an object and convert said image of the object into an electronic image signal;

a ~~feature-detection~~ feature detection device to detect a feature for a white balance control in accordance with said electronic image signal; and

a white balance control device to carry out the white balance control based on a result of said feature detection device;

said imaging apparatus further comprising:

a device to select a zoom area of the image signal by said imaging device;

a device to display the image signal of the area selected by said zoom area selection device; and

a device to select an area to conduct the feature detection for said white balance control, wherein

said feature detection area selection device conducts the selection of said feature detection area in accordance with ~~the area~~ an area photographed by said imaging device and the area selected by said zoom area selection device;

said white balance control device is adapted to be capable of selecting as to whether the feature detection area selected by said feature detection area selection device and the zoom area selected by said zoom area selection device are an identical area or not; and

said feature detection device divides said feature detection area into several areas, and conducts a feature detection in each divided area, respectively, wherein said white balance

control device conducts the white balance control without using a result of a feature detection for an area which is not included in said zoom area when a mode which matches said zoom area and said feature detection area is selected, and conducts the white balance control with a result of a feature detection from all of the area photographed by said imaging device when a mode which does not match ~~[[with]]~~ said zoom area and said feature detection area is selected,

wherein the imaging apparatus further comprises:

a weighing setup device to set an influence degree of the white balance control to data in each area within said feature detection area,

wherein said weighing setup device sets equally a weighting for a result of the feature detection in each of the areas, which are not included in said zoom area, and a weighing for a result of the feature detection in each of the areas within said zoom area when a macro mode or a portrait mode is used as a photographing mode; and

wherein said white balance control device conducts the weighting to the result of the feature detection in said each area in accordance with the weighting set by said weighing setup device, and conducts the white balance control by use of said weighted result of the feature detection.

Claims 2-3 (Canceled).

Claim 4 (Currently Amended): An imaging apparatus according to claim 1, wherein ~~said feature detection device divides said feature detection area into several areas, and conducts a feature detection in each divided area respectively; and~~

~~wherein the imaging apparatus further comprises;~~

~~a weighting setup device to set an influence degree of the white balance control to data in each area within said feature detection area, and wherein~~

when the mode which does not match said zoom area and said feature detection area is selected, said white balance control device conducts a weighting to a result of the feature detection in said each area in the feature detection area in accordance with the weighting set by said weighting setup device, and conducts the white balance control by use of said weighted result of the feature detection ~~when the mode which does not match with said zoom area and said feature detection area is selected.~~

Claims 5-6 (Canceled).

Claim 7 (Currently Amended): ~~An imaging apparatus according to claim 1, An~~
imaging apparatus comprising:

an imaging device to photograph an image of an object and convert said image of the object into an electronic image signal;

a feature detection device to detect a feature for a white balance control in accordance with said electronic image signal; and

a white balance control device to carry out the white balance control based on a result of said feature detection device;

said imaging apparatus further comprising:

a device to select a zoom area of the image signal by said imaging device;

a device to display the image signal of the area selected by said zoom area selection device; and

a device to select an area to conduct the feature detection for said white balance control, wherein

said feature detection area selection device conducts the selection of said feature detection area in accordance with an area photographed by said imaging device and the area selected by said zoom area selection device;

said white balance control device is adapted to be capable of selecting as to whether the feature detection area selected by said feature detection area selection device and the zoom area selected by said zoom area selection device are an identical area or not; and

said feature detection device divides said feature detection area into several areas, and conducts a feature detection in each divided area, respectively, wherein said white balance control device conducts the white balance control without using a result of a feature detection for an area which is not included in said zoom area when a mode which matches said zoom area and said feature detection area is selected, and conducts the white balance control with a result of a feature detection from all of the area photographed by said imaging device when a mode which does not match said zoom area and said feature detection area is selected,

~~wherein said feature detection device divides said feature detection area into several areas, and conducts a feature detection in each divided area respectively; and~~

wherein said imaging apparatus further comprises[[:]];:

a weighting setup device to set an influence degree for the white balance control to data in each area within said feature detection area, wherein

said weighting setup device sets [[the]] a weighting for a result of [[a]] the feature detection in an area in each of the areas, which [[is]] are not included in said zoom area, lower than a weighting for a result of [[a]] the feature detection in each of the areas within said zoom area if a light source of a high brightness is included in the result of the feature detection in ~~the area~~ each of the areas which [[is]] are not included in said zoom area, and wherein

said white balance control device conducts the weighting to the result of the feature detection in said each area in accordance with the weighting set by said weighting setup device, and conducts the white balance control by said weighted result of the feature detection.

Claim 8 (Currently Amended): An imaging apparatus according to claim 4, wherein said weighting setup device sets a ~~[[the]]~~ weighting for a result of the feature detection ~~in an area in each of the areas~~, which ~~[[is]]~~ are not included in said zoom area, lower than a weighting for a result of the feature detection in each of the areas within said zoom area if a light source of a high brightness is included in the result of the feature detection in ~~the area~~ each of the areas which ~~[[is]]~~ are not included in said zoom area, wherein

said white balance control device conducts the weighting to the result of the feature detection in said each area in accordance with the weighting set by said weighting setup device, and conducts the white balance control with said weighted result of the feature detection.

Claim 9 (Canceled).

Claim 10 (Currently Amended): An imaging apparatus according to claim 1, wherein it further comprises~~[[;]]~~:

a live view function for confirming a framing of electronic zoom until a time of photographing, and wherein

an operation result of said feature detection area selection device and a result of a white balance processing depending on a specific photographing condition are confirmed by a live view screen with a condition displaying said live view screen by said display device.

Claims 11-12 (Canceled).

Claim 13 (Currently Amended): An imaging apparatus according to claim 4, wherein it further comprises[[:]];:

a live view function for confirming a framing of electronic zoom until a time of photographing, wherein

an operation result of said feature detection area selection device and a result of a white balance processing depending on a specific photographing condition are confirmed by a live view screen with a condition displaying said live view screen by said display device.

Claim 14 (Currently Amended): An imaging apparatus comprising:

an imaging device to photograph an image of an object and convert the image of the object into an electronic image signal;

a zoom area selection device to select a zoom area which is a part of an entire area of the image signal converted by said imaging device;

a detection area selection device configured to select a detection area from either the entire area photographed by the imaging device or the zoom area selected by the zoom area selection device, if the zoom area is selected by the zoom area selection device;

a feature-detection device to detect a feature for a white balance control in accordance with the detection area which is selected by the detection-area selection device; and

a white balance control device to carry out the white balance control based on a result of the feature detection device,

wherein said feature detection device divides said feature detection area into several areas, and conducts a feature detection in each divided area respectively; and

wherein the imaging apparatus further comprises:

a weighing setup device to set an influence degree of the white balance control to data in each area within said feature detection area,

wherein said weighing setup device sets equally a weighting for a result of the feature detection in each of the areas, which are not included in said zoom area, and a weighing for a result of the feature detection in each of the areas within said zoom area when a macro mode or a portrait mode is used as a photographing mode; and

wherein said white balance control device conducts the weighting to the result of the feature detection in said each area in accordance with the weighting set by said weighing setup device, and conducts the white balance control by use of said weighted result of the feature detection.

Claim 15 (Previously Presented): An imaging apparatus according to claim 14, further comprising a displaying device to display the image signal of the zoom area selected by the zoom area selection device.